

## IDENTIFICATION

**Species:** *Miscanthus sinensis*

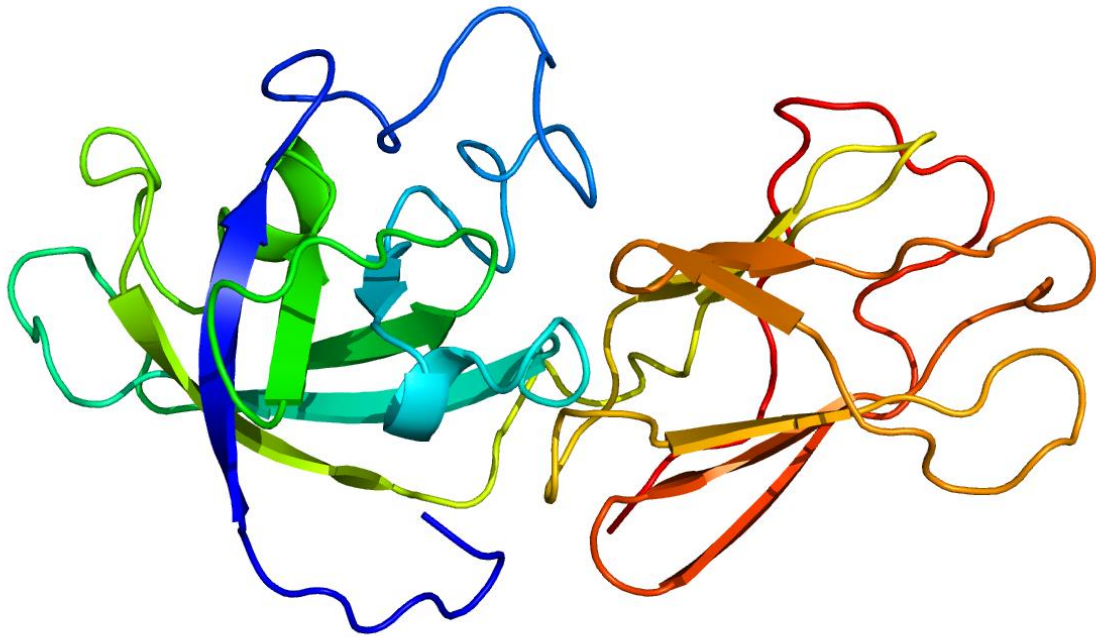
**Locus:** MisinT136900

**Gene Model:** MisinT136900.1.p

**Description:** McsEXPA-65

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

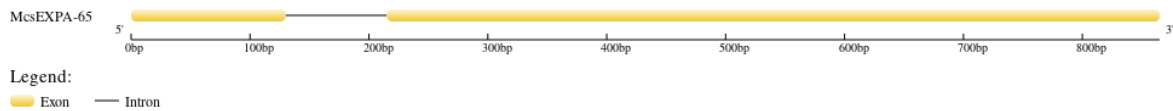
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Msinensis\\_v7\\_1](https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1)

KEGG:-

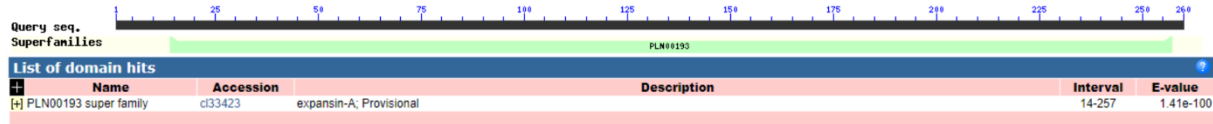
## EXTERNAL RESOURCES

<https://grass-genome-hub.southgreen.fr/Genomeassembly/47213>

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>McsEXPA-65

MGKRFLHQLLAVVLALFVSPVRSGNWLPATATFYGGADGSDTMGGACGYSDLYEQ  
GYGINNAALSTALFNDGASCGQCYVIICDSSKTGWCKPGNNWVVSATNFCPPNWD  
LPAGGELPAGGWCGPPRPHFDMSQPAWENLGIYTAGIIPVLYQRVKCWKSSGGVRFTI  
AGFNGFYRVLITNVAGSGSIQSMAMKGSNTDWIPMYRNWGANWHCLSGGLVGQGL  
SFALVSTGGQNLVFKDVVPEWWQFGQTFTTYQNFDY\*

### CDS (coding sequence)

>McsEXPA-65

ATGGGCAAACGTTTCCTCCACCAACTGCTCGCAGTCGTCCTTGC ACTCTTCGTCTC  
GCCGGTGAGATCCGGCAACTGGCTTCCGGCCACCGCCACGTTCTACGGCGGGCGCT  
GATGGCTCTGACACAATGGGTGGCGCGTGC GGGTACAGCGATCTGTACGAGCAG  
GGCTACGGCATCAACAACGCGGGCGCTGAGCACGGCGCTCTTCAACGACGGTGCG  
TCGTGCGGACAGTGCTACGTCATCATCTGCGACAGCAGCAAGACCGGGTGGTGCA  
AGCCCGGCAACA ACTGGGTCGTCGTCTCCGCCACCAACTTCTGCCCCGCCAACTG  
GGACCTCCCCGCCGGCGGGGAGCTCCCTGCCGGCGGATGGTGCGGCCCGCCCCGC  
CCACACTTTGACATGTCCCAGCCCGCCTGGGAGAACCTCGGCATCTACACCGCCG  
GCATCATCCCCGTCCTCTACCAGCGGGTCAAGTGCTGGAAGAGCGGCGGGCGTGCG  
ATTCACCATCGCCGGCTTCAACGGCTTCTACAGGGTGCTCATCACCAACGTCGCC  
GGCAGCGGCTCCATCCAGAGCATGGCGATGAAGGGCAGCAACACGGACTGGATC  
CCCATGTACAGGAACTGGGGCGCCA ACTGGCACTGCCTCTCCGGCGGGCTCGTCCG  
GCCAGGGCCTCAGCTTCGCGCTCGTCTCCACCGGGCGGCCAGAACCTCGTCTTCAA  
GGACGTCGTGCCGGAGTGGTGGCAGTTTCGGACAAACCTTCACCACCTACCAGAAT  
TTCGACTACTAA

### Nucleotide

>McsEXPA-65

ATGGGCAAACGTTTCCTCCACCAACTGCTCGCAGTCGTCCTTGC ACTCTTCGTCTC  
GCCGGTGAGATCCGGCAACTGGCTTCCGGCCACCGCCACGTTCTACGGCGGGCGCT  
GATGGCTCTGACACAATGGGTGGGTAACCTATAGCTACCTTTGTCTTTTCGTTGGGT  
CATGGGTGTGCAGACTTTGATCTGATCAACGAGCACGTACGTATGCAGGTGGCGC  
GTGCGGGTACAGCGATCTGTACGAGCAGGGCTACGGCATCAACAACGCGGGCGCT

GAGCACGGCGCTCTTCAACGACGGTGCCTCGTGCGGACAGTGCTACGTCATCATC  
TGCGACAGCAGCAAGACCGGGTGGTGCAAGCCCGGCAACAACCTGGGTCGTCGTC  
TCCGCCACCAACTTCTGCCCCGCCAACTGGGACCTCCCCGCCGGCGGGGAGCTCC  
CTGCCGGCGGATGGTGCGGCCCCGCCCGCCACACTTTGACATGTCCCAGCCCCG  
CTGGGAGAACCTCGGCATCTACACCGCCGGCATCATCCCCGTCCTCTACCAGCGG  
GTCAAGTGCTGGAAGAGCGGGCGGCGTGCGATTACCATCGCCGGCTTCAACGGCT  
TCTACAGGGTGCTCATCACCAACGTCGCCGGCAGCGGCTCCATCCAGAGCATGGC  
GATGAAGGGCAGCAACACGGACTGGATCCCCATGTACAGGAACTGGGGCGCCAA  
CTGGCACTGCCTCTCCGGCGGGCTCGTCGGCCAGGGCCTCAGCTTCGCGCTCGTC  
TCCACCGGCGGCCAGAACCTCGTCTTCAAGGACGTCGTGCCGGAGTGGTGGCAGT  
TCGGACAAACCTTACCACCTACCAGAATTCGACTACTAA